

ATTACHMENT J3

Pine Bluff Arsenal Potable Water Treatment and Distribution System

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J3 Pine Bluff Arsenal Potable Water Treatment and Distribution System

J3.1 Pine Bluff Arsenal Overview

J3.1.1 General Statistics

Construction of Pine Bluff Arsenal (PBA or the Arsenal) began during the World War II era. Since then it has been an active military facility. Today, as a part of the Department of Army, U.S. Chemical Materials Agency (AMSCM), it has housing areas, headquarters and administrative areas, numerous production facilities, testing facilities, ammunition storage and loading areas.

Pine Bluff Arsenal is located in Jefferson County, Arkansas, approximately 35 miles south-southeast of Little Rock, Arkansas. The 15,000-acre (approximate) installation is under the command jurisdiction of the Commanding General, U.S. Army AMSCM. PBA has approximately 927 buildings with total floor area of nearly 3.6 million square feet.

The Arsenal's daylight population is composed of approximately 2,600 military, civilian and contractor employees. The work force has minor fluctuations.

Pine Bluff's mission is to provide specialized manufacturing, maintenance, storage, and distribution of readiness products and delivers technical services to the war fighter and homeland defender, while focusing on quality and value when responding to national defense needs. The PBA vision is to be the preferred center for specialized products and services, responsive to national defense needs.

Key organizations on the Arsenal, other than Arsenal staffing, include the U. S. Army Health Clinic - PBA, Industrial Hygiene/Preventive Medicine Services, 752nd Explosive Ordnance Detachment, Army and Air Force Exchange Service, U.S. Army Technical Escort Unit, Pine Bluff Chemical Activity, Pine Bluff Chemical Agent Disposal Facility, General Physics (Clara Barton Center for Domestic Preparedness and Equipment Technical Assistance Programs), Defense Threat Reduction Agency, Program Manager for Non-Stockpile Chemical Materials, Washington Demilitarization Activity, and the National Guard Bureau of Professional Education Center.

J3.1.2 Army Family Housing

Pine Bluff Arsenal has three small Army Family Housing (AFH) areas: Officer Capehart, Non-Commissioned Officer (NCO) Capehart, and Staff Row. In total, there are 44 dwelling units (17 duplex units and 10 single-family units). There are plans to complete whole-house renovations of both Capehart AFH areas. The Staff Row area will be totally demolished and reconstructed on the opposite side of the street. Utility backbones for the Capehart areas will remain essentially unchanged. The utility backbones for Staff Row will be reconfigured to match the new community layout. The Contractor shall plan to work closely with the Government through the planning and construction phases.

One of the single-family houses, the Commander's "Farm House", is detached from the other housing areas and is not occupied because of structural problems. This unit is scheduled for demolition; however, temporary repairs may be performed to allow occupancy of the quarters in the short term. A new Commander's quarters is planned for construction within the next 3 to 5 years

There are no immediate plans to privatize the AFH dwelling units. There is no Residential Communities Initiative (RCI) planned for Pine Bluff Arsenal; however, should a decision to privatized PBA housing, the Utility Contractor shall coordinate with RCI Contractor to ensure compliance with utilities standards.

J3.2 Water System Description

J3.2.1 Water System Fixed Equipment Inventory

The PBA potable water system consists of all appurtenances physically connected to the distribution system from the wells to the downstream points of demarcation (generally where the system enters the end users' facilities). The system may include, but is not limited to, wells, pumps, pipelines, valves, fire hydrants, storage facilities/tanks, and backflow prevention devices (BPDs) within the points of demarcation. Non-potable water lines have been abandoned in place.

All water rights will remain with the Government. No water pumped from PBA wells is available for off-Post use. General depletion of the regional aquifer and the lowering of static water levels prohibit the use of PBA water off-Post.

Specifically excluded from the water distribution system privatization package:

- Irrigation systems; and
- Wells and water components dedicated to the National Center for Toxicological Research (NCTR).

The actual inventory of items sold will be conveyed to the Contractor using the Bill of Sale (sample shown at Attachment J42) at the time the system is transferred.

The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the distribution system. The description and inventory were developed based on best available, yet imperfect, record data. When not specifically identified by system drawings, the type and size of the components were estimated, generally based on the size of the piping the component was fastened to. Additionally, when the year of construction was not known, it was estimated based on the age of adjacent piping or the approximate age of the facility served.

Offerors shall base their proposal on site inspections, information in the technical library, and other pertinent information as well as the following description and inventory.

J3.2.1.1 System Description

Until approximately 1989, there were two distinct water systems operated and maintained by PBA. A south system that provided potable water to the entire Installation was separate and distinct from a non-potable system that existed on the Installation's north side. The non-potable system that

provided fire protection to the Depot Area (Area 5) is now non-operational and has been abandoned in place. Four of the wells that provided raw water to the now inoperable system are retained for future use. A modernization project in the late 1980s improved the Area 5 distribution system to support the growing requirements on the Installation's north side. This system is, henceforth, referred to as the North System.

The principle potable water source for PBA, as well as much of southeastern Arkansas, is the Sparta Sand Aquifer. Eleven wells were originally available to supply the water used at PBA. These wells are numbered 1, 3, 4, 6, 9, 11, 12, 15, 16, 17, and 18. Two of these wells (6 and 11) are dedicated to providing non-potable fire suppression for the Washington Demilitarization Facility and are excluded from this UP package. Well Nos. 15 and 16 supply raw water to the NCTR and are similarly excluded from this UP package. Well Nos. 9, 12, 17, and 18 are no longer a part of the existing distribution system and are excluded from this privatization action.

The three existing wells are typically 800 to 1,200 feet deep with pumps set at approximately 185 - 340 feet. The aquifer serving the wells is adequate for the present; however, the aquifer level is receding (due to heavy regional draw down). Alternative water sources should be considered for the long term. Well Nos. 1, 3, and 4 provide raw water to the water treatment plant (WTP) located in the southern portion of PBA. These wells are capable of supplying approximately 1,200 gallons per minute (gpm). Only one well is operated for a 24-hour period. The wells and service pumps are alternated every 24 hours. Water is lifted from each deep well by a single 150 horsepower (hp) vertical turbine pump and is discharged into a 12-inch diameter main to the WTP. It is estimated that in an emergency situation, the WTP is capable of providing water for approximately 80 minutes before the system is depleted.

The WTP has an effective capacity of 1.40 million gallons per day (MGD). During 2004, the WTP produced a total of 227,254,000 gallons of potable water. The recently upgraded WTP consists of an aerator, clarifier, clear well, four 700 gpm (30 hp and 75 hp) split-case horizontal high-service pumps, and eight 9-foot diameter pressure sand filters. Although adequate for the current demand of 417 gpm (with one high-service pump in service), the WTP may be inadequate for the future projected demand of 7,096 gpm and corresponding daily requirement of 6.81 MGD. The pressure sand filters cannot handle the volume of iron in the water with all four high-service pumps in service. There is an emergency generator at this site that serves Well No. 4, all of the WTP, and the South Wastewater Treatment Plant Buildings 42-600, 42-820, and the clarifiers near this site.

Raw water entering the plant from the three deep wells undergoes aeration over coke trays (flow rate of 1,400 gpm). The water passed into the clarifier where lime, alum, and polymer are added. Chlorine is added into the pipeline between the aerator and the clarifier. The chlorination equipment is housed in a separate chlorinator building. Effluent from the clarifier passes over a weir in the clarifier and then enters a 0.5 million-gallon clear well. On demand, it is pumped into the distribution system through the eight pressure filters. New backwash controls allow each filter to be backwashed separately. Water is distributed throughout the PBA system via six 200,000-gallon elevated water storage tanks. Water is distributed from the WTP to the tanks via a 16-inch diameter water line. The backwash water is sent to a reinforced concrete settling/holding basin at the WTP. The effluent from this basin is deemed industrial waste and is pumped to the Industrial Wastewater Treatment Plant for treatment. This basin is cleaned out as necessary and the sludge is removed off the Arsenal. The basin is part of the privatization action. The pump is not included in this privatization action.

The southern portion of PBA's water distribution system was originally installed in the 1940s. It serves the southern and central portion of the Arsenal and consists of 3- to 16-inch diameter mains. The original piping is cast iron; however, new lines are polyvinyl chloride (PVC) pipe. Operating pumps and elevated water storage tanks control the operating pressures [50 – 55 pounds per square inch (psi)]. A pressure regulator at the WTP indicates the level of water in the tanks. The southern portion of the system is served by three storage tanks identified as Tank 1 (13-000), Tank 2 (43-000), and Tank 3 (42-000). Each tank has a top water elevation of 368.4 feet and a water height of 27.5 feet. These tanks have domed tops and bottoms.

The northern portion of PBA's water distribution system was originally installed in 1985 when the non-potable lines were abandoned. It consists of 6- to 16-inch diameter mains. The piping material is both PVC and welded steel. A booster pump station and three 200,000-gallon elevated water storage tanks control the operating pressures (60 – 65 psi). The booster pump station (13-005) is located near the base of Tank 1. There are three 200,000-gallon elevated water storage tanks located in the northern portion of the Arsenal and are identified as Tank A (53-180), Tank B (54-180), and Tank C (54-480). Each tank has a top water elevation of 406.7 feet and a water height of 19.5 feet. These tanks have flat tops and bottoms. The booster pump station, installed in 1985, is contained in a 20-foot x 30-foot concrete block building, which houses two split-case horizontal pumps rated at 1,060 gpm at 95 feet total design head. Back-up power is provided by a 140 kW 175 kVA Cummins auto-start generator located inside the booster pump station building. Tank B has a transmitter that sends a signal to the WTP indicating the level in these tanks.

All of the water tanks, with the exception of Tank 3, have a safety rail for safety harnesses and a steel cage over the catwalk. Both of the emergency generators are exercised monthly and repairs are made as necessary at that time.

J3.2.1.2 Points of Demarcation

The PBA potable water system being privatized consist of all components from the water source (wells) to the point where water is supplied to end-user facilities. In most cases, this downstream point of demarcation is that point where the distribution/service line enters the various facilities.

Table 1 identifies the type of service and general location of the point of demarcation with respect to each building served by the distribution system.

TABLE 1
 Points of Demarcation
Water System - Pine Bluff Arsenal, Arkansas

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the downstream side of the meter, BPD, or valve (whichever is closest to the building) that is within 5 feet of the building exterior.	Where the service line enters the building.	
POD is the five-foot line exterior to building footprint. <i>Note: Service valve may be installed at or within 5 feet of the structure at any time. Downstream side of service valve would then become the point of demarcation.</i>	Where the service line enters the building and no valve exists within 5 feet of the building footprint.	

J3.2.1.2 Condition Assessment

The WTP is in good condition. All of the six water tanks have been recently renovated (exterior and interior, including cathodic protection systems). Many components of the water distribution systems have either exceeded or are approaching the end of their useful lives.

J3.2.1.3 Inventory

Table 2 identifies the approximate inventory (based on best available data) of the PBA potable water distribution system. When not specifically identified by system drawings, the size and type of system components were estimated generally based on the size of the piping the component was connected to. Additionally, when the year of construction was not known, it was estimated based on the age of the adjacent piping or the age of the facility served.

TABLE 2
 Fixed Inventory
 Water System - Pine Bluff Arsenal, Arkansas

Component	Size	Quantity	Unit	Approximate Year of Construction
<i>Pipe</i>				
	2-inch	58,292	LF	1950
	3-inch	26,289	LF	1977
	4-inch	10,756	LF	1942
	6-inch	23,630	LF	1963
	8-inch	109,214	LF	1958
	10-inch	48,868	LF	1961
	12-inch	10,375	LF	1972
	16-inch	13,639	LF	1960
<i>Building Services</i>	2-inch	46,400	LF	1953
<i>Air Relief Valves</i>		4	EA	1985
<i>Main Valves</i>		335	EA	1961
<i>Fire Hydrants</i>		545	EA	1961
<i>Meters</i>		52	EA	1963
<i>Elevated Storage Tanks</i>				
1 (13-000)	200,000 gal	1	EA	1998*
2 (43-000)	200,000 gal	1	EA	1998*
3 (42-000)	200,000 gal	1	EA	1998*
A (53-180)	200,000 gal	1	EA	1999*
B (54-180)	200,000 gal	1	EA	1999*
C (54-480)	200,000 gal	1	EA	1999*
<i>Pump Stations</i>	40 hp / 1,060 gpm	2	EA	1985
<i>Generator</i>				
Water Treatment Plant	938 kVA	1	EA	1985
Pump Station 13-005	175 kVA	1	EA	2000

Component	Size	Quantity	Unit	Approximate Year of Construction
<i>Treatment Plant</i>		1	EA	1970
<i>Concrete Holding Basin</i>	Height – 60 feet Width – 40 feet Depth – 15 feet	1	EA	1985
<i>Wells</i>				
No. 1	100 hp / 1,200 gpm	1	EA	2005
No. 3	150 hp / 1,700 gpm	1	EA	2000
No. 4	150 hp / 1,350 gpm	1	EA	1996
Notes:				
*Not new; inside/outside repairs and paint.				
EA = each	LF = linear feet	gpm = gallons per minute		
gal = gallons	hp = horsepower	kVA = kilovolt ampere		

J3.2.2 Water System Non-Fixed Equipment and Specialized Tools

Table 3 lists other ancillary equipment (spare parts), and **Table 4** lists specialized vehicles and tools included in the purchase. Offerors shall field-verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 3
 Spare Parts
 Water System - Pine Bluff Arsenal, Arkansas

Quantity	Item	Make/Model	Description	Remarks
Very few spare parts are available for purchase.				

TABLE 4
 Specialized Vehicles and Tools
 Water System - Pine Bluff Arsenal, Arkansas

Quantity	Item	Make/Model	Description	Remarks
No specialized tools or vehicles are included with the Pine Bluff Arsenal water system.				

J3.2.3 Water System Manuals, Drawings, and Records

Table 5 lists the manuals, drawings, and records of the potable water system that will be transferred with the system.

TABLE 5
 Manuals, Drawings, and Records
Water System - Pine Bluff Arsenal, Arkansas

Item	Description	Remarks
Maps	Utility maps reflecting the water distribution system	Prints and electronic format
Manuals	Operating manuals and technical data for the water treatment plant equipment	

J3.3 Specific Service Requirements

The service requirements for the PBA water distribution system are as defined in Section C, *Description/Specifications/Work Statement*. The following requirements are specific to the PBA water distribution system and are in addition to those found in Section C; if there is an apparent conflict, the requirements listed below take precedence over those found in Section C.

J3.3.1 Coordination of Work on the Installation

Routine Work: Routine work, such as the scheduled maintenance, repair, placement, or retirement/removal of pipe, valves, services, wells, storage tanks, and meters, shall be coordinated with the PBA Directorate of Public Works (DPW) to ensure minimal impact on Installation missions and operations. A single point of contact shall be provided by each party for coordination, except as noted herein.

Trouble Calls: The Contractor's 24-hour service office telephone number shall be published on the Installation. The Government shall provide and periodically update a list of employees authorized to make trouble calls. Restoration of service shall be coordinated with the PBA DPW. The Contractor shall record service interruption calls, documenting time of call, time of service restoration, and cause of the service interruption. This information shall be provided to the PBA DPW on a monthly basis.

Connections/Disconnections: The Contractor shall be responsible for adding additional service points and/or deleting service points that are no longer required. The extension of temporary service to contractors performing construction projects for the Government shall be coordinated directly with the respective contractor with costs borne by the requesting contractor.

Scheduled Utility Service Interruption: The Contractor shall cooperate with the Government and other utility service providers to facilitate service interruptions and to provide underground utilities markings to allow construction/repairs on the Installation. Scheduled service interruptions shall be coordinated with the PBA DPW 10 working days prior to the scheduled service interruption. The Government reserves the right to either disapprove a scheduled service interruption or to cancel at any time, before or during, a scheduled service interruption if such service interruption might adversely affect Government missions and operations. In the event of such disapproval or cancellation, the parties shall coordinate a mutually-acceptable alternative time for the scheduled service interruption.

J2.3.2 Excavation Marking / Digging Process

For routine excavations, the Contractor shall provide 5 working days notice of an intention to dig to the Government and/or other utility owners on the Arsenal. Notification shall be done using Form SMCBP-324, *Contractor Request to Mark Utilities*, (an example form will be included in the Technical Library) and shall include the name, address, and phone number of the person making the request and the exact location, extent, nature, and duration of the excavation. Form SMCBP-324 shall be requested from the COR and returned to the COR or designated alternate. The requesting party shall mark the proposed excavation location in spray paint or use pin flags, no more than 24 hours prior to excavation, and shall meet with the Government/Contractor personnel by appointment at the site (if requested) to discuss details. The Government/Contractor shall provide a response, locating and marking underground facilities and obstructions, or request a site meeting within 72 hours of notification. Permits will identify all underground utilities within five feet of the designated area. Since utility marking is an inherently imprecise process, excavation within five feet of the marked utilities will be done by hand. The Contractor shall maintain a log of requests, using a number to track requests and permits. All parties shall record and refer to tracking numbers in correspondence. In some cases, where non-metallic lines do not have tracer wires, it may take longer to locate the lines. In these cases, the Contractor will make necessary notifications about a possible delay in the marking process. Digging without notification and permit shall be at the risk of the party performing the work, and such party shall be liable for all damages and repairs; this includes excavations extending beyond areas that have been cleared for excavation. The Contractor shall be responsible for all repairs, costs, and damages due to excavations by others for which he did not properly mark his utilities as part of the utility marking process. It is the Contractor's responsibility for appropriate notification for marking of other utilities in the area(s) to be excavated. No routine, non-emergency, digging or excavation shall be performed on the service premise after 1600 hours on Monday through Friday nor anytime on weekends, unless prior approval is obtained from the Government. Excavation shall not proceed until the COR notifies the Contractor that Government personnel have completed reconnaissance of the work site(s).

J3.3.3 Inspection and Maintenance Program

J3.3.3.1 Water Storage Tanks

The Contractor shall allow the Government access to operate and maintain any communication equipment, emergency warning equipment, public address equipment, and other Government equipment on water storage tanks being privatized. The Contractor shall develop a procedure for granting the Government access. This procedure shall be submitted to the Contracting Officer for approval.

The Contractor shall own, operate, maintain, and install new (as necessary) obstruction lights mounted on water tanks.

The Contractor shall own, operate, and maintain the transmitter on Tank B and the receiver at the WTP.

The Contractor shall adhere to PBA Design Guides for all painting and markings on water storage tanks.

The Contractor shall adhere to Army Security Engineering technical manuals and Unified Facilities Criteria for the protection of the water system against threats or terrorist actions.

J3.3.3.2 Water System Sampling/Testing

The Contractor shall perform flow testing of fire hydrants IAW National Fire Protection Association standards/recommended practices. The Government reserves the right to review the Contractor's flow test records. Marking of fire hydrants shall comply with the Installation Design Guide.

The Contractor shall perform water sampling IAW federal, state, and local laws and regulations. The Contractor shall perform special tests as requested by the Government and authorized by the Contracting Officer. Results of all tests shall be provided to the DPW.

The Contractor shall coordinate all changes to the water distribution system with DPW and PBA Fire Department.

J3.3.3.3 Cathodic Protection System Maintenance

The Contractor shall own, operate, and maintain the water distribution system cathodic protection systems (or approved alternative measures) for carbon steel piping and tanks IAW applicable standards. The Contractor shall determine what is required and shall implement protective measures as necessary to comply with applicable rules and regulations. The Government reserves the right to review the Contractor's cathodic protection system records.

J3.3.4 Interruption / Emergency Response

Service Requests: The Contractor shall be able to respond to Pine Bluff Arsenal requests/problems during normal duty hours and non-duty hours. Such requests/problems may include, but are not limited to, requests for service to newly constructed or relocated facilities and requests for upgrades to existing services. The Contractor also shall clearly identify any difference in service request procedures that apply to routine and to emergency matters. The Government shall be responsible for the dissemination of such procedures within the Installation. Service requests shall be completed in a time frame mutually agreed upon with the Government

Service Interruptions (Normal working hours: 6:00 a.m. - 6:00 p.m., 7 days a week): The Contractor will respond with a knowledgeable individual to emergency utility problems within 10 minutes of notification. This individual will be capable of identifying and operating valves should the water need to be shut off due to the emergency. The Contractor will have a crew on site to begin work on the problem within 60 minutes of notification. A service interruption is defined as loss of service from one or more buildings, one or more distribution area, or the entire Installation. The Contractor shall have in place a mechanism, a means, or procedure by which DPW personnel can quickly notify the Contractor of the service interruption.

Service Interruptions (Outside of normal working hours): The Contractor will respond with a knowledgeable individual to emergency utility problems within 10 minutes of notification. The Contractor will have a crew on site to begin work on the problem within 60 minutes of notification. The Contractor shall have in place a mechanism, a means or a procedure by which DPW personnel can quickly notify the Contractor of the service interruption.

Special Conditions: In the event of special situations such as a national/state emergency, military exercise, alert, etc., the Contractor shall have a plan in place under which standby personnel are positioned to handle short notifications of a service interruption. The Government reserves the right to adjust the Contractor's response time as the condition may warrant. If possible, DPW personnel will give the Contractor advanced notification of the event.

J3.3.5 Reporting Working Location of Employees

Due to the mission of PBA, the Contractor will be required to report the location of all Contractor employees and Subcontractor employees by 0730 hours to the DPW on normal work days and the Operations Center on other days.

J3.3.6 System Survey and Assessment / Utility Record Drawings

Immediately after contract award, the Contractor shall initiate a comprehensive survey of the system to identify components not shown on record drawings and identify errors on existing record drawings. Production and maintenance of record drawings shall be in accordance with Paragraph C.5.1.5 and all work shall conform to the latest release of Micro-Station Software compatible with the latest versions of Spatial Data Standards. A copy of all findings will be provided to the DPW.

J3.3.7 Fire Control and Safety

The utility system purchased by the Contractor may include facilities and the Contractor may elect to construct additional facilities on Post to support his operation. In all cases, the Contractor shall abide by PBA fire protection requirements. Where required by federal, state or local regulation, the Contractor shall maintain the fire alarm system for all facilities owned and operated by the Contractor. The Contractor shall permit PBA Fire Department personnel access to their facilities to perform fire inspections and emergency response.

J3.3.8 Cost of Supporting Utilities

The Contractor may consume reasonable quantities of supporting utilities at no charge. However, the Contractor shall fully cooperate with the Government with respect to energy/water conservation measures as described in Section C.3.4.

J3.3.9 Crisis / Exercise Situations

IAW C.9.8, the Contractor shall submit Emergency Response Plans for all exercise and crisis situations to the Contracting Officer who will obtain comments and approval from the appropriate Government agencies.

This Installation is subject to unannounced inspections and exercises that require practice evacuations of certain and/or all areas. Evacuation practices will be temporary in nature. Contractors (prime and sub) will be required to participate in these practice evacuation exercises, as necessary, and the contract performance time will be extended to offset the time lost because of the exercise. This clause should be taken into consideration during the preparation of bids/proposals since, other than appropriate time extensions, participation in such exercises will be at no additional cost to the Government.

J3.3.10 Environmental Requirements

1. All oil, gas or hazardous spills shall be reported at once to the COR. All spills shall be cleaned up, in accordance with the PBA Spill Prevention and Clean-up Plan, by the Contractor at no cost to the Government. All work shall be accomplished within 24 hours or the Government will perform all necessary cleanup operations and deduct a fair and reasonable amount from any payment due the Contractor. The Contractor shall be responsible for the safe disposal of any and all hazardous materials generated by his operation. No hazardous materials will be disposed of on the Arsenal.
2. All trash and refuse will be taken off-post. The landfills previously located on the Arsenal have been closed.
3. No chemicals will be placed in the Construction Rubble Site, Defense Reutilization and Marketing Office Yard, or Reusable Rubble Site. All chemicals will be disposed of as designated by the COR.
4. All contaminated materials (identified by either the Safety Office or the Environmental Coordinator and/or his designated representative) will be disposed of as directed by the COR in accordance with the latest applicable Environmental and Safety Regulations.

J3.3.11 Stormwater Discharge Requirements

If at any time the Contractor disturbs more than one acre of soil, the provisions of the PBA Stormwater Discharge Plan and the PBA Integrated Natural Resources Management Plan (INRMP) Section 8.12, *Erosion Control*, shall be implemented. If the disturbance is more than five acres in size, the Contractor shall follow Arkansas Department of Environmental Quality (ADEQ) provisions relating to water quality and stormwater discharge, including obtaining a permit from the ADEQ if required. Regardless of disturbance size, as a minimum, the Contractor will prepare and submit a Sediment Control Plan (SCP) for each disturbed site to the Contracting Officer's Representative (COR) prior to disturbance of the land. The Contractor is responsible for implementation and inspection of the approved SCP. The COR will inspect construction areas for compliance with the approved SCP or ADEQ permit. Violations must be corrected within seven days or the project will be suspended until such time the violations are corrected. The Contractor will provide copies of inspection sheets that are required under the SCP or ADEQ permit to the COR within 48 hours of completion.

J3.3.12 Safety Requirements

1. *General.* Prior to commencing work, the Contractor shall meet in conference with the Contracting Officer (KO) to discuss and develop mutual understandings relative to administration of the Safety Program.
2. The Contractor's workspace may be inspected periodically for Occupational Safety and Health Administration (OSHA) violations. Abatement of violations will be the responsibility of the Contractor and/or the Government as determined by the KO. The Contractor shall provide assistance to the Safety Office escort and the federal or state OSHA inspector if a complaint is filed. Any fines levied on the Contractor by federal or state OSHA offices due to safety/health violations shall be paid promptly.

3. The Contractor shall report to the KO, in the manner and on the forms prescribed by the Government, exposure data and all accidents resulting in death, trauma, or occupational disease. All accidents must be reported to the KO within 24 hours of their occurrence.
4. The Contractor shall submit to the KO a full report of damage to Government property and/or equipment by contractor employees. All damage reports shall be submitted to the KO within 24 hours of the occurrence.
5. Only emergency medical care to prevent loss of life or limb is available in Government facilities to Contractor employees who suffer on-the-job injury or disease. Care will be rendered at the rates in effect at the time of treatment. The Contractor shall reimburse the Pine Bluff Health Clinic upon receipt of statement. This service is normally available from 0730 to 1600 hours, Monday through Friday. To request emergency service (ambulance, security, or fire department) during Clinic hours, dial 540-3450. This is the emergency response line for the PBCA Operations Center, the Security, Health Clinic, and the Fire Department. Be prepared to state the location or building number where the emergency assistance is needed, your name, and a phone number where you can be reached for further information. Use of this Health Clinic constitutes compliance with the First Air Requirements of the Corps of Engineers Manual EM 385-1-1, dated April 1984, as referenced in FAR 52-236-13, "*Accident Prevention*". The requirements of Department of Labor, OSHA Standards 29 CFR 1910 and 1926, or EM 385-1-1, dated April 1984, General Safety Requirements, whichever is the most stringent, will be followed and no deviation is acceptable.
6. The latest issues of regulations and supplements listed below will be adhered to by all Contractor and Sub-Contractor personnel.
 - 6.1. The following DOD Army, Industry Standards, ARRCOM, and DARCOM regulations, to include any PBA Supplement thereto and Code of Federal Regulations, latest editions.
 - 6.1.1. DOD 4145.26M Contractor Safety Manual For Ammunitions and Explosives
 - 6.1.2. AR 40-5 Preventive Medicine
 - 6.1.3. AR 50-6, Chemical Surety
 - 6.1.4. AR 190-5, Motor Vehicle Traffic Supervision
 - 6.1.5. AR 190-13, The Army Physical Security Program
 - 6.1.6. AR 190-59, the Chemical Agent Security Program, to include changes
 - 6.1.7. AR 380-5 DA Information Security Program
 - 6.1.8. AR 385-10 Army Safety Program
 - 6.1.9. AR 385-11 Ionizing Radiation Protection (Licensing, Control, Transportation, Disposal, and Radiation Safety)
 - 6.1.10. AR 385-64 Ammunition and Explosive Safety Standards
 - 6.1.11. AR 200-1 Environmental Protection and Enhancement
 - 6.1.12. AR 600-8-14, Identification Cards, Tags and Badges
 - 6.1.13. AMC Supplement 1 to AR 190-13

- 6.1.14. AMC R 385-100 Safety Manual
- 6.1.15. DA Pam 40-8, Occupational Guidelines for the Evaluation and Control of Occupational Exposure to Nerve Agents GA, GB, GD and VX
- 6.1.16. DA Pam 40-173, Occupational Guidelines for the Evaluation and Control of Occupational Exposure to Mustard Agents, HD, and HT
- 6.1.17. Implementation Guidance Policy for Revised Airborne Exposure Limits for GB, GA, GD, GF, VX, H, HD, and HT
- 6.1.18. DA Pam 385-61 Safety, toxic Chemical Agent Safety Standards
- 6.2. PBA Regulations (PBAR)
 - 6.2.1. PBAR 1-13 Visitors
 - 6.2.2. PBAR 190-3, Installation Access Requirements
 - 6.2.3. PBAR 190-4 Traffic Code
 - 6.2.4. PBAR 385-2 Occupational Safety and Health Program
 - 6.2.5. PBAR 385-7 Smoking and Use of Matches and Lighters
 - 6.2.6. PBAR 385-14 Post Fire Regulations
- 6.3. Federal Regulations
 - 6.3.1. 29 CFR 1910.146 Confined Space
 - 6.3.2. Federal Acquisition Regulation 28.307-2
- 6.4. The requirements of Department of Labor, OSHA Standards, latest edition.
- 6.5. The Arkansas Department of Pollution Control and Ecology Asbestos Abatement Regulation.
- 6.6. ANSI D6.1, Part VI, Latest Edition, Manual on Uniform Traffic Control Devices
- 7. No fire or flame-producing device shall be used on the Arsenal without prior approval of the Contracting Officer and the Fire Chief. Welding permits shall be issued by the Fire Chief. Special requirements on welding permits shall be accomplished by the Contractor. The Contractor shall also be responsible for bringing any conditions, which would preclude use of fire or flame producing devices to the attention of the Contracting Officer's Representative.
- 8. Smoking will be permitted only in authorized smoking areas with the approval of the Contracting Officer. Smoking is not permitted within 50 feet of any Arsenal Building.
- 9. Equipment shall be maintained in a safe operating condition and a fire safe condition at all times. Equipment shall be stored in the areas so designated by the COR. Contractor shall secure vehicles and mobile equipment, when not in use, by removing the keys from key operated ignition or by other physical means.

- 9.1. Hoists, cranes, derricks, or similar equipment shall not be operated where it is possible to bring any part of the machine, suspended load or lines closer than ten (10) feet to power lines unless the lines have been de-energized and grounded.
- 9.2. Vehicles that are identified as unserviceable or unsightly by the KO shall be repaired or replaced within 30 working days at no additional cost to the Government. Vehicular repairs on PBA shall be limited to those minor in nature. The Contractor shall clean up and dispose of any spills from Contractor vehicles (hydraulic fluids, gasoline, anti-freeze, diesel fuel from broken hoses or lines). The Contractor shall have sufficient equipment for backup of regularly assigned vehicles to insure completion of contract requirements in the event of breakdowns or other equipment problems.
- 9.3. Work shall be performed in a manner that will allow the passage of traffic, especially emergency vehicles, at all times. Where required, highway barricades, warning signs, flagmen and parking shall comply with The Arsenal Traffic Code and the Manual on Uniform Traffic Control Devices, ANSI D6.1, Part VI, Latest Edition. Contractors are permitted to drive their vehicles inside buildings to load and unload supplies and equipment. However, when finished loading and unloading, the Contractor should move the vehicle outside to a designated parking space.

Where only one lane or the equivalent thereof is open to traffic, adequate warning signs and flagmen shall be used. All open ditches shall be barricaded and have flashing lights as required by OSHA.

9.3.1. *Traffic:* The Contractor will be required to conform to Arsenal regulations concerning:

9.3.1.1. Designated routes;

9.3.1.2. Parking regulations; and

9.3.1.3. Insurance--The Contractor will also insure that all POVs brought on the Installation are fully insured for the minimum amount of personal injury and personal damage liability required by Federal Acquisition Regulation 28.307-2.

10. All Contractor personnel shall receive a safety briefing prior to reporting to work. Time and location of briefing shall be provided to the Contractor at the Post Award meeting. Personnel who are issued protective masks shall be given more specific instructions.

10.1. Contractor personnel working in chemical agent operation areas shall have an additional safety briefing, blood tests for cholinesterase monitoring, and be included on a Temporary Entry Control Roster published by the PBCA Surety Division before starting work. The PBA Health Clinic will administer the blood tests and forward to Fitzsimmons Army Medical Center, Aurora, CO for processing at a cost to the Contractor of approximately \$30.00 per test. Restricted areas include, but are not limited to Bond Road Exclusion Area (BREA) and Building 34-111, Chemical Laboratory.

10.2. Contractor personnel performing operations in restricted areas are subject to periodic surety management/safety inspections, i.e. inspections of protective mask.

- 10.3. Protective masks will be furnished, fitted and periodically inspected by the Government. Personnel must be clean-shaven to be properly fitted with the protective mask or with a respirator. 29 CFR 1910.134 (B) (10) requires a medical clearance prior to respirator/mask issuance. Medical documentation of respiratory clearance for each contractor employee is required prior to mask issuance.
- 10.4. Protective masks will be issued to the Contractor on a receipt basis for each employee under his supervision. Masks must be returned to the Government upon completion of the contract. The Contractor shall not take any masks off the Pine Bluff Arsenal. The Contractor shall provide safe, waterproof, climate controlled, and secure storage of the masks during non-work hours. Storage shall be at a site approved by the Contracting Officer. Masks must be returned to the Government immediately upon termination of any employee.
11. Work sites shall be kept free of debris and material which could cause injury to workmen or others in the area. When deemed advisable by the Contracting Officer, signs shall be posted to warn of specific hazards.
12. Such other safety measures as the Contracting Officer may determine to be reasonable and necessary for the protection of personnel and property will be enforced.
13. Work sites shall be kept free of debris and material that could cause injury to workmen or others in the area. When deemed advisable by the Contracting Officer, signs shall be posted to warn of specific hazards.

J3.3.13 Local Contract Clauses

J3.3.13.1 Accommodation for the Chemical Weapons Convention (CWC) Treaty

Contractors performing work in the Bond Road Exclusion Area (BREA) may be required to stop all work associated with this contract and evacuate all personnel from the area. Work stoppage may occur up to six times per year for exercises and/or emergencies. The duration of the cease work periods will vary, but normally will not exceed 24 hours. Notification will be given four to sixteen hours prior to the requirement to stop work unless it is an emergency. Accordingly, these interruptions will be at no cost to the Government.

J3.3.13.2 Misuse of Government Systems

(This requirement applies to misuse of telephone systems, e-mail, and other information technology systems including the Internet for the visiting, viewing, transmitting, printing or mailing of sexually explicit materials or other misuse.)

- A. Any individual, firm, corporation, partnership, association, or other legal non-Federal entity or tenant activity that enters into a contract directly with Pine Bluff Arsenal to furnish services, supplies, or both, including construction (prime or subcontractors), if applicable, are strictly prohibited from misusing Government equipment, telephone systems, e-mail and other systems including the Internet for visiting, viewing, transmitting, printing or mailing sexually explicit materials via the Internet web sites. Such use includes, but is not limited to, the use of the aforementioned communications systems to:

- 1) Create, download, store, copy, transmit, or broadcast chain letters;
 - 2) Create, download, store, copy, transmit, or broadcast sexually explicit materials;
 - 3) “Spam,” that is, to exploit list servers or similar broadcast systems for purposes beyond their intended scope to amplify the widespread distribution of unsolicited e-mail;
 - 4) Send a “letter-bomb,” that is, to re-send the same e-mail message repeatedly to one or more recipients to interfere with the recipient’s use of e-mail;
 - 5) Broadcast unsubstantiated virus warnings from sources other than systems administrators; or
 - 6) Broadcast e-mail messages to large groups of e-mail users (entire organizations) instead of targeting smaller populations.
- B. Guidance for telephone calls while at a temporary duty location is reflected in the Joint Travel Regulations (JTR).
- C. Abuse of DoD and Army telecommunications systems, to include telephone, e-mail systems, or the Internet, will be immediately brought to the attention of the perpetrating individual’s (firm, corporation, partnership, association, or other legal non-Federal entity or tenant activity) management and may result in their immediate dismissal (long or short term) from the Pine Bluff Arsenal’s facilities and/or some other disciplinary action or contract remedy.
- D. When deemed appropriate, the responsible individual, firm, corporation, partnership, association, or other legal non-Federal entity or tenant activity entering into a contract directly with Pine Bluff Arsenal to furnish services, supplies, or both, including construction (prime or subcontractors) will fully reimburse/compensate the Pine Bluff Arsenal for the time lost during the employee’s illegal activities, for the use of the computer and telephone lines during the identified periods of misuse, and for such other consequential damages as may be appropriate.

The use of Pine Bluff Arsenal’s telephone systems, e-mail and other systems (including the Internet) are limited to the conduct of official business or other authorized uses. Official business calls and e-mail messages are defined as those that are necessary in the interest of the Government (for example, calls and e-mail messages directly related to the conduct of DoD business or having an indirect impact on this Depot’s ability to conduct its business).

J3.3.13.3 Identification of Contractor Employees

This requirement is only applicable to the Contractor when the Contractor has employees working on Pine Bluff Arsenal.

1. All Contractors are responsible for obtaining/returning identification badges and/or vehicle decals required for the term of the contract or release of employee (see paragraph 4 below on release of contract Contractor employee). See Local Rules and Regulations BREA use. All Contractor employees meeting with Government employees or attending meetings at PBA shall, at the beginning of the meeting, announce to all other attendees that they are Contractor employees, employed by (name of Contractor/ address), and the

name of all other companies or individuals that currently employ them or that the Contractor employee currently represents. In addition, Contractor employees shall wear visible insignia that readily displays their company's name. This may be in the form of clothing bearing a company logo, an emblem, a badge, etc. displayed in a prominent place in an outer garment. Also, all Contractor employees must identify themselves as Contractor employees when answering Government telephones, working in situations where their actions could be construed as official Government acts, and include the company's name in his or her email display.

2. No employee or representative of the Contractor will be admitted to Pine Bluff Arsenal unless he furnishes satisfactory proof that he is a citizen of the United States, or, if an alien, his residence within the United States is legal. Contractor must request in writing, authorization for a Non-US citizen to access Pine Bluff Arsenal. Request must be submitted 10 working days in advance of visit, through the Security Office at Pine Bluff Arsenal.
3. Contractor vehicles will be identified by permanent or magnetic signs on each side of the vehicle clearly displaying the contractor name and telephone number. All vehicles shall display a valid state license plate and safety inspection sticker, if applicable, and shall be maintained in good repair.
4. If the Contractor requires computer access for completion of the contract, Contractor shall provide a written request to the Directorate of Contracting; the Contracting Officer's Representative (COR) will provide the Security Investigation Information or Letter of Clearance to the Personnel Security Office, Directorate of Law Enforcement and Security (DLES), ten (10) days prior to the requirement for computer access. If Contractor employees depart Pine Bluff Arsenal **prior to completion of contract**, written notice must be made to the Directorate of Contracting and Directorate of Information Management. At the completion of the contract, written notice must be given to the Directorate of Contracting AND Directorate of Information Management before final payment will be made.
 - a) Contractor must provide written notice to the Directorate of Contracting AND Directorate of Law Enforcement and Security when Contractor employees are terminated before completion of contract. Written notice shall be provided to the Directorate of Contracting and DLES by the Contractor when the contract is complete.
 - b) Badges and vehicle decals should be returned when they expire at the end of the contract or upon employee termination, whichever comes first. When the contract number under which the badge was obtained is completed (date of last delivery or performance of last service), including any exercise of an option pursuant to the terms of the contract, the Contractor shall return the badges for all employees and vehicle decals to the DLES and obtain a receipt for each within 24 hours after ending date of contract. Contractor shall provide written notice to the Directorate of Contracting, Directorate of Information Management (when access to Government computers is required), and DLES when Contractor employees are terminated before the completion of the contract. When an employee leaves the Contractor's service, the employee's pass and badge shall be returned within

twenty-four (24) hours. Passes and badges issued to the Contractor employees shall not negate the requirement for employee identification required in Paragraph 1.

- c) Failure to comply with the requirement in Paragraph 4 will be grounds for withholding any funds due the Contractor until badges are returned or paid for, notwithstanding any other BREAs use or requirements in the contract. Failure to comply may also be used as an adverse factor with respect to Contractor past performance in connection with award of future contracts to the firm.
- d) If the Contractor obtains a new or follow-on contract for work at PBA, the Contractor shall obtain new badges for each employee indicating on the request the new or follow-on contract number and comply with the above. This paragraph does not apply under options.
- e) *Non-Disclosure Agreement*: If access to nonpublic information is required, the Contractor and each Contractor employee working on PBA shall sign a non-disclosure statement on their company's letterhead prior to commencing work under the contract or obtaining the badges required by Paragraph 1 above. There will be one non-disclosure statement for each employee.
- f) The contractor shall coordinate their badging process (schedule appointments with DLES, etc.). The Contractor shall furnish (before initiating work under the contract) two copies of the non-disclosure statement for each Contractor employee to the COR/Government POC. The COR/Government POC shall maintain one copy and provide one copy to the Administrative Contracting Officer for inclusion in the official contract file.
- g) Before any non-Government employee can be given access to nonpublic information covered by the non-disclosure agreement, there must be a written agreement between the recipient Contractor and the owner of the proprietary information. A copy of this agreement must be made a part of the contract file.

J3.3.13.4 Installation Security

Pine Bluff Arsenal is currently operating on a heightened state of security awareness and enforcement due to possible terrorist threats. Due to this heightened state of security, it is imperative that no unauthorized materials of any type be brought onto or left unattended on the Installation. For this reason, the Contractor must have a process in place to receive and store materials and have visibility of the location of those materials at all times while on PBA. This includes construction materials, equipment, and miscellaneous items. This visibility/accountability of materials applies to the Contractor, its subcontractors, and its material suppliers.

Further, all Contractor, subcontractor, and material supplier employees are prohibited from bringing personal belongings of any nature onto the Installation if such items are to be left unattended at any time.

The Contractor is further required to have a plan of action for implementing these procedures and must submit it to the Contracting Officer upon request. This plan of action must include a provision for informing all employees and subcontractors of these procedures. The plan of action

must also address monitoring and procedures the Contractor has in place to ensure compliance with this contractual provision.

Should the Contractor fail to comply with this mandatory contractual provision, the Contractor may be held responsible for all direct and indirect costs incurred by the Government in identifying, securing, segregating, removing, and otherwise properly disposing of improper or abandoned materials/equipment.

J3.3.13.5 Local Rules and Regulations

1. Identification Badges and Vehicle Decals: The following requirements apply to all contractor employees working on Pine Bluff Arsenal.

- a) Contractor employees are required to secure, and wear at all times, employee identification badges for all employees who must enter PBA. Badges shall be worn over the front of the outer clothing. Badges must be secured before an employee will be allowed entry onto the Arsenal. The Contractor shall, prior to the start of the contract, submit to the KO an estimate of the number of personnel expected to be used at any one time on the contract. The Government will issue badges without charge. Contractors that are Non-US citizens must be escorted by personnel with the proper security clearance (see paragraph 2 concerning Non-US citizens). Emergency badges will be issued on a case-by-case basis (for US citizens only). Vehicle decals must be obtained for all Contractor vehicles entering PBA. These badges and decals may be obtained from the Visitor/Vehicle Registration, Building 17-130, located at the Plainview Complex. No charge is made for badges if they are returned. Contractors will be charged forty-four dollars (\$44.00) for each badge issued to replace lost badges or badges damaged through carelessness, negligence, or misuse. Badges will be issued to contractor employees that have a white photographic type badge insert with a white picture background and a pink field in the access code field with an access code field that will correspond to the areas of the installation that each individual will be working in. These codes are as follows:

D = Depot Area

M = Manufacturing Operations Area

G = General Administrative and Recreation Areas

All persons to be badged shall present a PHOTO identification from one of the following sources:

- 1) State driver's license;
- 2) State identification card; or
- 3) Federal, municipal, or school identification card bearing a seal and the following information: photo, name, social security number, date of birth, and physical description.

NOTE: A social security card is not a photo identification and will not be accepted as proper identification. Employee identification cards issued by

the Contractor will not be accepted. The DLES will reject any identification presented which is altered, not issued by one of the above identified agencies, or otherwise questioned regarding validity.

- b) Contractors shall submit the name of a point of contact responsible for security requirements through the Contracting Officer to the Physical Security Specialist, DLES, upon notification of contract award.
 - c) Ten calendar days prior to the date Contractor employee will begin work in the controlled area of PBA (within the gates); a Release/Consent Statement (DA Form 7215) must be completed and signed for each employee. The form authorizes PBA to conduct a local background check for any criminal record or questionable reliability. No contractors or employees will be issued a badge without a favorable local background check. DA Form 7215 may only be submitted for persons who are current employees of the Contractor or who hold a letter of intent to hire issued by the Contractor. Forms will be submitted to the Personnel Security Manager, Bldg. 60-020, Room 100. **NO PRE-EMPLOYMENT LOCAL BACKGROUND CHECKS WILL BE CONDUCTED BY PINE BLUFF ARSENAL.**
 - d) Also, at least ten calendar days before the Contractor expects to begin work on the Installation, the prime Contractor shall submit, on company letterhead, the name, social security number, date/place of birth, and citizenship of all persons entering PBA to perform contract work for the prime and any subcontractors. Letter shall be submitted through the Contracting Officer to the Pass/Vehicle Registration Office.
 - e) Violation of any security/safety requirements or if continued employment is deemed by the KO to be contrary to the public interest or inconsistent with the best interests of National Security will be grounds for immediate suspension of the individual's badge. DLES will notify the Contracting Officer when suspension actions are taken. The Contractor can appeal the suspension to DLES, who is the final adjudication authority of the individual's reinstatement or revocation of badge privileges.
2. **BOND ROAD EXCLUSION AREA (BREA).** Contractors working within the BREA are required to adhere to all of the requirements of Paragraph A above plus the following requirements:
- a) Contract personnel entering the BREA must meet and maintain medical surveillance program requirements described in **SAFETY REQUIREMENTS**.
 - b) Contractors entering the BREA on a temporary entry control roster are required to attend a safety briefing. The safety briefing, approximately 30 minutes in length, is an annual requirement. Contact DLES at (870) 540-3481 to schedule this briefing.
 - c) Authorized contractor personnel must have a need for access, be listed on an Entry Control Roster (ECR) and must be properly escorted by authorized personnel having controlled picture badge(s) for the BREA. Depending on the

level of access required to accomplish the work and the number and proximity of personnel in a designated work crew, multiple personnel may be required to escort contractor. Escorts may/may not be required to be enrolled in the chemical Personnel Reliability Program (PRP), depending on the level of access required to accomplish the work. Contractor personnel are required to provide information regarding personnel changes and updated badge numbers (when personnel obtain new installation access badges) to the COR prior to attempting to access the BREA. Contractor personnel must present a valid installation access badge (and, if required, a visitor validation pass, PBA Form 190-41) along with an approved photographic identification card for access to the BREA. Contractor personnel must immediately notify the COR should contractor personnel be denied access to the BREA.

- d) The requirement for a escort must be coordinated through the Contracting Officer to the COR two weeks in advance of the initial required work date. The number of available escorts may be limited, which may affect the amount of work area available to the Contractor each day.
- e) Escorts will be conducted with a “line of sight” being maintained at all times between the escort and the Contractor. This will limit the amount of distance one crew may spread out to perform work. Escorts may direct Contractor employees regarding the distance to travel from the escort.
- f) The prime Contractor will be notified which persons are approved for access to the BREA. Contractor personnel who are denied access based on the local background check will have the right to appeal to the DLES. The Director’s decision is considered the final action.
- g) No privately-owned vehicles (POV) are authorized in the BREA, Conventional Limited Area (CLA), Production Area, Haul Route, Haddon Road, and McCoy Road/ Rifle Range when it is in use.
- h) Contractor vehicles and/or equipment may not remain overnight within the BREA.
- i) Contractor-owned, rented, or leased vehicles which are construction-type (i.e., pickup trucks, dump trucks, etc.) may be authorized within the BREA upon being inspected (vehicle must be registered at DLES Pass and Registration). **ALL VEHICLES AND PERSONS SHALL BE SEARCHED UPON ENTERING AND EXITING THE BREA.**
- j) No alcohol, food, photographic equipment, firearms, flame producing devices (to include lighters and matches), or other items prohibited by safety requirements are permitted within the BREA.
- k) All damages caused by the Contractor to security lighting, fencing, intrusion detection systems, security telephones, or any other security equipment will be repaired immediately at the Contractor’s expense by the Contractor. Normal contract work will not resume until the security equipment is returned to normal.

- l) Foreign Nationals are not allowed in the BREA.
- m) *Hours of Work*: Contractor work hours within the BREA will be normal PBA duty days and duty hours. Contractors must depart the BREA 15 minutes prior to the end of PBA's normal shift.
 - a. *Federal Holidays*. Federal holidays may cause the Arsenal to be closed for one or more of the work days identified. The contract performance period has taken this possibility into consideration.
 - b. *Shutdown Periods*. The Government may choose to shutdown for a week or portions of a week as stated below. During this shutdown, and unless otherwise stated; only those Government personnel essential for equipment/facility maintenance will be permitted to work.

4 th of July Holiday	Safety Stand-Down Day*
Christmas Holiday	Employee Appreciation Day*

*Safety Stand-Down Day and Employee Appreciation Day generally occurs on one full workday per year each. In such cases, the Contractor will be notified in writing by the Government. These interruptions will be at no cost to the Government.
 - c. *Schedule Changes*. When situations warrant, the Government may change the hours of operation to adjust for certain conditions, i.e., weather conditions (extreme heat or cold). For example, during summer production, shops may begin work at 6:00 am and leave work at 3:30 pm to avoid the afternoon heat. The Contractor shall be provided as much advance written notice as possible when these situations occur and will be expected to support any schedule change provided by the Contracting Officer.
- n) *Temporary Structures*: The Contractor shall comply with Corps of Engineers Manual (EM) 385-1-1.
- o) *Vehicle Searches*: All vehicles entering, moving throughout, and exiting PBA are subject to random searches as directed by the Installation Commander.
- p) *Land Use Controls*: Contractors who will be required to "disturb soil" in the performance of this contract shall review and strictly adhere to the Standard Operating Procedure for Land Use Control Implementation. The SOP is available in the Directorate of Risk Management, Building 1, for review by Contractors.
- q) Cellular telephones with built-in cameras are prohibited on this Installation. If a cell phone with camera is found, that cell phone is subject to confiscation, and any violation may be punishable by fine or imprisonment or both.

J3.3.13.6 Government-Furnished Property, Equipment, Services, or Utilities

- 1. *Government-Furnished Property, Equipment or Services*. There will be no property, equipment or services furnished to the Contractor by the Government on this project, except as noted.

2. *Government-Furnished Utilities.* Where available, electric, water and sewer utilities will be furnished to the Contractor without charge.
3. The Contracting Officer's Representative will show the Contractor the location of the utilities. The Contractor shall provide all labor, materials and equipment needed to connect to the utility systems, but the Electrical Utility Contractor personnel will make the final tap to energized electrical lines. The Contractor shall make all other connections. All work shall meet all applicable codes for the various types of work.
4. When water is obtained from fire hydrants, the Contractor shall supply all hook-up mechanisms and hoses. The Contractor shall maintain a six (6") inch air gap between the tank and the fill line or have the option of providing a filling hose with an anti-siphon (backflow preventive) device attached. The proper operating tool shall be used to operate fire hydrants. No other tool is acceptable.
5. The Contractor shall observe all energy conservation practices in use of Government-furnished utilities under his control while on the Arsenal. The Contractor shall instruct his personnel in the prudent use of utilities, including but not limited to turning off utilities when not needed, keeping windows and doors closed in heated/air conditioned areas, and limiting heated area temperatures to 65°F and cooled areas to 78°F. Exceptions will be made only when necessary for application/installation of contract materials and after receiving permission from the Contracting Officer's Representative.

J3.4 Current Service Arrangement

All potable water is pumped from three PBA wells tapping the Sparta Sand Aquifer. The water is treated and distributed by the Government-owned system described in J3.2.1.1 above.

J3.5 Secondary Metering

The Contractor shall own the existing meters, and shall install additional meters at new and upgraded locations as directed by the Contracting Officer.

J3.5.1 Existing Meters

Table 6 lists the existing (at the time of contract award) meters that will be transferred to the Contractor.

The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3.3, *Metering*, and J3.6 below.

TABLE 6
 Existing Secondary Meters
Water System - Pine Bluff Arsenal, Arkansas

Building No.	Building No.	Building No.
12-300A	13-701B	15-010
12-300B	13-702A	15-020

Building No.	Building No.	Building No.
12-302A	13-702B	15-030
12-302B	13-703A	15-040
12-304A	13-703B	15-040
12-304B	13-704A	15-050
12-306A	13-704B	15-060
12-306B	13-705A	15-070
12-308A	13-705B	15-080
12-308B	13-706A	15-090
12-310A	13-706B	24-770 (Tech Escort)
12-310B	13-707A	31-080
12-312A	13-707B	32-060
12-312B	13-708A	33-060
12-410	13-708B	34-125
13-700A	13-709A	53-04 (BDF-Teledyne Trailer)
13-700B	13-709B	Washington Demil/ Chemical Demil
13-701A		

J3.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 7**. New secondary meters shall be installed IAW Paragraphs C.3.3.1, *Future Meters* and C.13, *Operational Transition Plan*. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3.3, *Metering* and J3.6 below.

TABLE 7
 New Secondary Meters
Water System - Pine Bluff Arsenal, Arkansas

Building No.	Building No.	Building No.
13-010 (EOD)	34-161 (PBCA)	57-140 (PBCDF)
13-010/13-020/13-040/13-050/13-060/13-090/13-100 (MEDDAC)	50-610 (PBCDF)	57-150 (PBCDF)
13-070 (EOD)	50-720 (PMNSCM-MAS Project)	57-160 (PBCDF)

Building No.	Building No.	Building No.
13-080 (PBCA)	50-810 (PBCDF)	57-170 (PBCDF)
15-330 and 15-350 (BOQs)	51-420 (PBCA)	57-200 (PBCDF)
15-370 (Laundry @ BOQ)	51-430 (PBCA)	57-210 (PBCDF)
16-050 (Child Development Center)	53-01 (PMNSCM)	57-220 (PBCDF)
16-073/074/075 (Swimming Pool)	53-05	57-230 (PBCDF)
16-180 (UPH Barracks)	53-06	57-240 (PBCDF)
16-190 (UPH Barracks)	53-07 (BDF-AMMSA)	57-250 (PBCDF)
16-220 (UPH Barracks)	53-100 (PBCA)	57-260 (PBCDF)
16-230	53-120 (PBCA)	60-060 (PBCA)
16-250	53-122/53-123/53-124 (PBCA)	60-070 (PBCA)
16-250 (DPETAP)	53-125 (PBCA)	60-530 (SSCC)
16-270	53-127/53-128/53-129 (PBCA)	62-035
16-310	53-130 (PBCA)	62-095 (PBCA)
16-340 (Post Ex)	53-132 (PBCA)	63-010 (PBCA)
16-440 (Credit Union)	53-160 (PBCA)	63-100 (PBCA)
17-130 (DPETAP)	53-219 (PBCA)	63-120 (PBCA)
23-350 (DPETAP)	54-01/54-02 (PBEDS)	63-410 (PBCA)
23-390 (DPETAP)	54-070 (PBCA)	63-410 (PBCA)
24-610 (CBC)	54-200 (PBCA)	74-100 (PBCA)
24-770 (TEU)	55-01/55-02/55-03/55-04/55-05 (PMNSCM TC Project)	74-150 (Hydrostatic Test Facility) (PBCA)
31-150 (DPETAP)	57-100 (PBCDF)	81-020 (PBCA)
31-150 (DPETAP)	57-110 (PBCDF)	PMNSCM Break Room
34-111 (PBCA)	57-120 (PBCDF)	PMNSCM Shower Facility
34-160 (PBCA)	57-130 (PBCDF)	

J3.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. **Invoice.** (IAW Paragraph G.2, *Submission and Payment of Invoices*). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. The Contractor shall provide sufficient supporting documentation with each monthly invoice to substantiate all costs included in the invoice for each CLIN as approved by the Contracting officer. The proposed system of accounts shall be made available in electronic format as directed by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to:

Name: Mr. Willie E. Thomas
Address: Pine Bluff Arsenal
AMSCM-OPPB-PW
10020 Kabrich Circle
Pine Bluff, AR 71602-9500
Phone number: (870) 540-3301

2. **Service Interruption Report.** The Contractor's monthly service interruption report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Service interruption reports shall be submitted by the 25th of each month for the previous month to:

Name: Mr. Willie E. Thomas
Address: Pine Bluff Arsenal
AMSCM-OPPB-PW
10020 Kabrich Circle
Pine Bluff, AR 71602-9500
Phone number: (870) 540-3301

3. **Meter Reading Report.** The monthly meter reading report shall show the current and previous month's readings for all secondary meters. The Contractor's monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to:

Name: Mr. Willie E. Thomas
Address: Pine Bluff Arsenal
AMSCM-OPPB-PW
10020 Kabrich Circle
Pine Bluff, AR 71602-9500
Phone number: (870) 540-3301

4. **All Other Reports.** Results of water sampling reports and any other reports requested by the Government shall be submitted to the DPW as they are generated. Reports shall be submitted to :

Name: Mr. Willie E. Thomas
Address: Pine Bluff Arsenal
AMSCM-OPPB-PW
10020 Kabrich Circle
Pine Bluff, AR 71602-9500
Phone number: (870) 540-3301

5. **As-Built Record Drawings** shall be submitted to :

Name: Mr. Willie E. Thomas
Address: Pine Bluff Arsenal
AMSCM-OPPB-PW
10020 Kabrich Circle
Pine Bluff, AR 71602-9500
Phone number: (870) 540-3301

J3.7 Service Area

IAW Paragraph C.4, *Service Area*, the service area is defined as all areas within the PBA boundaries.

J3.8 Water Conservation Projects

In keeping with Paragraph C.3.4, *Energy and Water Efficiency and Conservation*, any projects that should be implemented or continued would be listed here.

- There are currently no water conservation projects underway that would affect this utility privatization initiative.
- The Contractor shall comply with the Installation Water Management Plan.

J3.9 Off-Installation Sites

There are no off-Installation sites associated with Pine Bluff Arsenal.

J3.10 Specific Transition Requirements

IAW Paragraph C.13, *Operational Transition Plan*, service connections and disconnections required upon transfer would be included in **Table 8** below. As reflected in **Table 8**, there are no known required service connections or disconnections.

TABLE 8
 Service Connections and Disconnections
Water System - Pine Bluff Arsenal, Arkansas

Location	Description
There are no known service connections or disconnections required upon transfer of the Pine Bluff Arsenal water system.	

J3.11 Government Recognized System Deficiencies

Table 9 provides a list of Government recognized deficiencies. The deficiencies listed may be physical deficiencies, functional deficiencies, or operational in nature. If the utility system is sold, the Government will not accomplish a remedy for the recognized deficiencies listed. The Offeror shall make a determination as to its actual need to accomplish and the timing of any and all such deficiency remedies.

Physical and functional deficiencies may require capital to be invested in the system. If any deficiency remedy requires a capital upgrade project, the capital upgrade project shall be proposed according to the following:

- Capital upgrade projects required to bring the system to standard shall be proposed under Schedule 3 – Initial Capital Upgrade(s)/Connection Charge(s).
- Capital upgrade projects required to replace system components shall be proposed in the first years of Schedule 2 – Renewals and Replacements – 50-Year Schedule, and the cost factored into Schedule 1 – Fixed Monthly Charge, for renewals and replacements as part of CLIN AA.
- Transition costs shall be proposed as a one-time cost and shall be treated similar to a capital project and included in Schedule 3 – Initial Capital Upgrade(s)/Connection Charge(s).
- Improvements proposed in the operational component of the work shall be included in Schedule 1 – Fixed Monthly Charge as part of CLIN AA.

TABLE 9
 System Deficiencies
Water System - Pine Bluff Arsenal, Arkansas

System Component	Deficiency Description
Ductile Iron (DI) Pipe	Most DI pipe has reached or exceeded useful life; replacement required in near term.
Fire Hydrants	Many fire hydrants have reached or exceeded their useful life; replacement required in near term. Fire hydrants have lead-based paint coatings.

System Component	Deficiency Description
Post Indicator Valves	Many post indicator valves have reached or exceeded their useful life; replacement required in near term. These valves have lead-based paint coatings.
Isolation Valves	Lack of preventive maintenance keeps many valves from making a complete seal; early maintenance and replacement should be considered.
Cathodic Protection	Cathodic protection system requires comprehensive assessment and repair. The North System has several lines that require cathodic protection.
Water Treatment Plant Capacity	WTP capacity may need to be increased to meet projected future consumption requirements. (See comments in J3.2.1.1)
Well No. 1	A new well house is required at this location.